

ABSTRACT OF THE DISCLOSURE

The present invention relates to a human brain-derived protein, a partial peptide thereof or a salt thereof, a DNA encoding the receptor protein, a process for producing the protein, a method for determining a ligand for the G protein-coupled
5 receptor protein, a method for screening/a kit for screening a compound which alters property of a ligand binding with the protein, a compound or a salt thereof obtainable by the screening, an antibody to the G protein-coupled receptor protein and the like.

The human brain-derived G protein-coupled receptor protein or the DNA encoding the protein of the present invention are useful as or in (1) determination of a
10 ligand, (2) obtaining of an antibody and antiserum, (3) construction of the expression system for a recombinant receptor protein, (4) development of receptor binding assay using the same expression system and screening of drug candidates, (5) implementation of drug design nucleotide on comparison with a ligand receptor having the structural similarity, (6) reagents for preparing a probe or a PCR primer in
15 gene therapy, (7) production of a transgenic animal, or (8) a drug for gene prophylaxis or therapy.